

# **Lake Restoration Prioritization Process and Program**

## **Key Concepts and Facts**

- Six of ten Iowans visit lakes each year; they will visit these lakes eight times during the year
- Iowans prefer lakes with better water quality
- Statewide our lakes generate \$1.6 billion in annual spending by Iowans
- A lake is a reflection of both watershed and lake management
- Lake restoration starts in the watershed; it relies on strong local involvement and voluntary participation of landowners

## **Current Prioritization and Program**

- Modeled after the Federal Clean Lakes Program established in the 1970s
- DNR provided the 2006 legislature with a priority list of 35 lake candidates
  - Priorities based on a 5-year ISU/DNR assessment of water quality
  - Technical feasibility of restoration
  - Potential economic benefits
  - Use by Iowans, and local interest/involvement
- Projects require a lake and watershed restoration assessment and plan
- Projects require local resources in combination with state and federal funds
- Local groups can petition to have their lake added to the priority list
- Project Status
  - 22 Completed or near completion
  - 21 Active projects in-progress
  - 14 Initial public outreach, evaluation or planning stage
- DNR provides an annual progress report to the legislature that includes a work plan and budget

## **Water Quality Goals**

Stipulated in 2006 State Legislation (HF2782):

- Delivery of phosphorous and sediment from the watershed will be controlled before lake restoration begins
- Shallow lakes management will be considered among options for restoration
- Water quality targets
  - Clarity. 4 ½ foot secchi disc transparency 50% of the time from April – September
  - Biota. A diverse, balanced, and sustainable aquatic community must be maintained
  - Impairment. Water quality impairments must be eliminated
  - Sustainability. The water quality and public use benefits must be sustained for 50 years

## **Lake Restoration Program Budget**

- Funding from FY2007 through FY2015 of \$70.6 million (approximately \$7.8 million per year) has enabled the DNR to improve many Iowa's lakes and proceed with implementing projects at a number of our other priority systems

## **DNR Contacts**

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**Web Page:** <http://www.iowadnr.gov/Environment/WaterQuality/LakeRestoration.aspx>





## DNR Lake Restoration Program Planning Budget

Project Name	County	FY15 Budget	Proposed FY16 Budget	Proposed FY17 Budget	Proposed FY18 Budget	Proposed FY19 Budget	Proposed FY20 Budget	Proposed FY21-FY24 Budget	Ten-year Budget
<i>Hawthorn L.</i>	Mahaska	\$80,000	\$80,000						\$160,000
<b>Pleasant Creek L.</b>	Linn	\$600,000	\$750,000	\$750,000					\$2,100,000
<b>Union Grove L.</b>	Tama	\$600,000	\$520,000	\$400,000					\$1,520,000
<b>Blue Lake</b>	Monona	\$800,000	\$750,000	\$1,100,000	\$800,000	\$650,000			\$4,100,000
<b>Central Park L.</b>	Jones	\$300,000	\$250,000	\$250,000	\$50,000	\$50,000			\$900,000
<b>Easter Lake</b>	Polk	\$565,000	\$750,000	\$1,300,000	\$1,250,000	\$1,250,000			\$5,115,000
<i>Mariposa Lake</i>	Jasper	\$200,000	\$250,000	\$50,000	\$50,000	\$50,000			\$600,000
<b>Five Island L.</b>	Palo Alto	\$150,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000		\$400,000
<b>Hannen Lake</b>	Benton	\$200,000		\$100,000	\$100,000	\$50,000	\$50,000		\$500,000
<b>Hickory Grove L.</b>	Story	\$400,000	\$450,000	\$150,000	\$50,000	\$25,000	\$25,000		\$1,100,000
<b>Kent Park L.</b>	Johnson	\$150,000	\$150,000	\$50,000	\$50,000	\$25,000	\$25,000		\$450,000
<b>L. of the Hills</b>	Scott	\$150,000	\$150,000	\$50,000	\$50,000	\$25,000	\$25,000		\$450,000
<i>Lacey Keosauqua</i>	Van Buren		\$100,000	\$100,000	\$350,000	\$350,000	\$350,000		\$1,250,000
<b>Lake Geode</b>	Henry	\$100,000	\$150,000	\$300,000	\$800,000	\$725,000	\$325,000		\$2,400,000
<b>Lake Keomah</b>	Mahaska	\$100,000	\$100,000	\$150,000	\$400,000	\$400,000	\$250,000		\$1,400,000
<b>Storm Lake</b>	Buena Vista	\$850,000	\$850,000	\$750,000	\$450,000	\$400,000	\$250,000		\$3,550,000
<b>Black Hawk L.</b>	Sac	\$300,000	\$900,000	\$900,000	\$2,000,000	\$2,500,000	\$2,500,000	\$5,000,000	\$14,100,000
<b>Lake Manawa</b>	Pottawattamie	\$1,950,000	\$1,500,000	\$1,300,000	\$1,300,000	\$1,200,000	\$1,200,000	\$1,750,000	\$10,200,000
<i>Badger Creek L.</i>	Madison	\$250,000					\$1,200,000	\$5,550,000	\$7,000,000
<b>Big Creek</b>	Polk	\$175,000					\$300,000	\$3,500,000	\$3,975,000
<i>Silver Lake</i>	Dickinson	\$50,000					\$250,000	\$1,700,000	\$2,000,000
<i>Silver Lake</i>	Palo Alto	\$100,000					\$250,000	\$1,450,000	\$1,800,000
<i>Swan Lake</i>	Carroll						\$250,000	\$1,600,000	\$1,850,000
<i>Twin L., North/South</i>	Calhoun						\$450,000	\$2,100,000	\$2,550,000
<b>Silver Lake</b>	Delaware							\$2,000,000	\$2,000,000
<b>Arbor Lake</b>	Poweshiek							\$600,000	\$600,000
<b>Diamond Lake</b>	Poweshiek	\$130,000						\$500,000	\$630,000
<b>George Wyth L.</b>	Black Hawk							\$300,000	\$300,000
<i>Pine L., Upper/Lower</i>	Hardin							\$950,000	\$950,000
<b>Rock Creek L.</b>	Jasper							\$4,000,000	\$4,000,000
<b>IA Great Lakes</b>	Dickinson	\$500,000	\$750,000	\$750,000	\$750,000	\$750,000	\$750,000	\$3,000,000	\$7,250,000
<i>Rathbun Reservoir</i>	Appanoose		\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$1,000,000	\$2,250,000
Lake Assessment		\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$400,000	\$1,000,000
Minors		\$200,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$600,000	\$1,550,000
Proj. Mgmt./Eng.		\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$2,000,000	\$5,000,000
Shallow Lakes		\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$400,000	\$1,000,000
<b>Total</b>		<b>\$9,600,000</b>	<b>\$9,600,000</b>	<b>\$9,600,000</b>	<b>\$9,600,000</b>	<b>\$9,600,000</b>	<b>\$9,600,000</b>	<b>\$38,400,000</b>	<b>\$96,000,000</b>

**Projects in Bold:** Initial list of thirty-five (35) significant publicly-owned lakes prioritized for funding based on the feasibility of each lake for restoration and the use or potential use of the lake, if restored.

**Projects *italicized*:** Significant publicly-owned lakes added to the priority list after communities have successfully petitioned the director of the department or were prioritized by the department based on the feasibility of restoration and the use or potential use of the lake, if restored.

**Highlighted Cells:** Indicate estimated year that major restoration efforts will be completed.